Performance Data Sheet

AJA2425ZXD

General Information

Model	AJA2425ZXD	**Refrigerant**	R-404A
Test Condition	ARI	**Performance Test Voltage**	230V ~ 60HZ
Return Gas	4.4°C (40°F) RETURN GAS	**Motor Type**	CSR

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
-40	Btu/h	1910	1180	744	460	193		
	Watts	637	502	425	379	334	261	132
	Amps	4.27	3.70	3.40	3.25	3.14	2.97	2.63
	Lb/h	36.6	21.9	14.2	9.82	4.80		
-35	Btu/h	2380	1560	1070	751	482	121	
	Watts	707	567	490	446	406	342	224
	Amps	4.40	3.84	3.54	3.41	3.32	3.17	2.86
	Lb/h	45.6	29.1	20.6	16.0	11.5	3.28	
-30	Btu/h	2950	2020	1450	1090	797	445	
	Watts	778	635	557	516	483	428	322
	Amps	4.54	3.98	3.70	3.57	3.51	3.38	3.10
	Lb/h	56.2	37.9	28.1	23.1	18.9	11.7	
-25	Btu/h	3610	2570	1900	1470	1140	783	249
	Watts	850	705	628	590	563	518	426
	Amps	4.68	4.13	3.86	3.75	3.70	3.61	3.36
	Lb/h	68.7	48.2	37.0	31.3	27.2	20.8	8.34
-20	Btu/h	4390	3210	2430	1910	1530	1140	610
	Watts	923	775	699	666	646	612	533
	Amps	4.83	4.29	4.03	3.94	3.92	3.85	3.63
	Lb/h	83.1	60.2	47.4	40.8	36.5	30.7	19.5
-15	Btu/h	5290	3940	3030	2420	1960	1530	982
	Watts	993	844	770	742	731	707	643
	Amps	4.99	4.46	4.21	4.15	4.15	4.11	3.93
	Lb/h	99.7	74.2	59.5	51.8	47.1	41.6	31.5
-10	Btu/h	6310	4790	3730	3000	2450	1950	1370
	Watts	1060	912	840	818	815	803	754
	Amps	5.17	4.65	4.42	4.37	4.40	4.40	4.25
	Lb/h	119	90.3	73.5	64.3	59.0	53.6	44.3
-5	Btu/h	7460	5740	4520	3650	3000	2420	1780
	Watts	1130	976	908	891	898	899	866
	Amps	5.36	4.85	4.64	4.62	4.68	4.70	4.60
	Lb/h	140	109	89.4	78.6	72.4	66.8	58.1

0	Btu/h	8740	6820	5410	4390	3610	2930	2230
	Watts	1180	1040	971	962	979	993	976
	Amps	5.58	5.08	4.89	4.89	4.98	5.04	4.97
	Lb/h	164	129	107	94.8	87.5	81.5	73.2
5	Btu/h	10200	8020	6410	5220	4290	3500	2710
	Watts	1240	1090	1030	1030	1060	1080	1080
	Amps	5.81	5.34	5.17	5.19	5.31	5.41	5.38
	Lb/h	191	152	128	113	104	97.8	89.6
10	Btu/h	11800	9360	7530	6140	5060	4130	3240
	Watts	1280	1140	1080	1090	1130	1170	1190
	Amps	6.08	5.62	5.47	5.52	5.67	5.81	5.83
	Lb/h	220	178	151	134	123	116	107

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	5.932874E+04	8.885910E+03	3.332770E+01	1.372969E+03
C2	8.284495E+02	3.218127E+01	5.783761E-02	1.588989E+01
C3	-1.188174E+03	-2.033398E+02	-7.409766E-01	-3.008820E+01
C4	5.730684E+00	-2.362879E-01	2.205914E-04	9.356000E-02
C5	-9.227969E+00	-5.132400E-01	-5.686258E-04	-1.941502E-01
C6	8.781171E+00	1.724640E+00	6.366012E-03	2.386521E-01
C7	9.069729E-03	-1.662105E-03	4.096299E-06	2.102660E-04
C8	-3.554033E-02	1.349627E-03	3.151981E-06	-4.747545E-04
C9	2.836106E-02	3.139478E-03	5.120415E-06	7.362561E-04
C10	-2.291046E-02	-4.827067E-03	-1.799971E-05	-6.432316E-04

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature